pluvio TAPE

DRIPPING HOSE

WITH LABYRINTH
WITH FAST WATER JETS

Dripping hose with continuous labyrinth with fast water-jets, 100% Made in Italy. The hole is a linear cut that opens when the hose is under water-pressure and it closes when the irrigation cycle stops. This avoids particles to enter and cause the dripper occlusion. The labyrinth profile is designed to have fast jets, enable a high flow rate homogeneity and an excellent CV (coefficient of variation).

TECHNICAL SPECIFICATIONS

- It is suitable for fertirrigation thanks to its internal design: in case of chemical residues, fast water-jets give the hole a self-cleaning power (minimum pressure 0,3 bar / 4 psi).
- High flow rate homogeneity thanks to the labyrinth design, that ensures an optimal CV (coefficient of variation).
- The high accuracy and drilling technology allow the right drip for any flow rate.

ADVANTAGES AND APPLICATIONS

- Increase of the irrigated area, thanks to the reduced spacing between the holes, which allows for a homogeneous irrigation even for long distances.
- High resistance to occlusion thanks to the innovative structure of the filter and to the fast water jet inside the hose.
- Low water dispersion in sandy soils.
- High resistance to traction thanks to the use of the best certified raw materials.
- Suitable for different kind of drip irrigation system: one season crops, extensive crops in open field (maize, tobacco, etc.), greenhouses and hydroponic irrigation, floriculture, vegetable and fruit cultivation, protected crops (mulching), fertirrigation, and light sub-irrigation systems.

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TECHNICAL DATA

Nominal ø		Wall thickness		Operating pressure					
				min		suggested		max	
mm	inch	mil	mm	bar	psi	bar	psi	bar	psi
16	5/8"	5	0,13	0,3	4	0,7	10	1	15
		6	0,15						
		7	0,18						
		8	0,20						
		10	0,25						
22	7/8"	8	0,20						
		10	0,25						

DRIPPING DEVICE CHARACTERISTICS

Flow Rate						Filtering	
Nominal		0,5 bar - 7 psi		0,7 bar - 10 psi			
lph	gph	lph	gph	lph	gph	mesh	micron
0,60	0,16	0,54	0,14	0,60	0,16	150	100
0,80	0,21	0,72	0,19	0,80	0,21		
1,00	0,26	0,90	0,24	1,00	0,26	120	125
1,20	0,32	1,08	0,29	1,20	0,32		
1,50	0,40	1,35	0,36	1,50	0,40		
2,00	0,53	1,80	0,48	2,00	0,53		

SELF-CLEANING POWER
(min 0,3 bar / 4 psi)

MAXIMUM LENGTH SUGGESTED (m)

Flow rate	d. 16 mm - 0.7 bar / 10 psi					d. 22 mm - 0.7 bar / 10 psi				
	Spacing (cm)					Spacing (cm)				
l/h	*E.U.*	*10*	*15*	*20*	*30*	*E.U.*	*10*	*15*	*20*	*30*
0,6	90%	113	146	177	229	90%	199	257	310	402
	85%	140	183	219	284	85%	246	319	384	498
0,8	90%	90	115	140	180	90%	158	201	245	315
	85%	111	141	172	221	85%	194	248	301	387
1,0	90%	76	99	119	153	90%	133	174	208	268
	85%	93	122	146	188	85%	164	213	256	329
1,2	90%	68	88	105	140	90%	119	154	184	245
	85%	84	108	129	172	85%	146	189	226	301
1,5	90%	56	59	68	110	90%	98	103	119	193
	85%	69	73	84	135	85%	121	127	146	237
2,0	90%	35	44	55	72	90%	78	83	94	153
	85%	43	54	68	88	85%	96	107	115	177

E.U.: Emission Uniformity

ATP
AVANZATE TECNOLOGIE PLASTICHE
AVANZADAS TECNOLOGÍAS EN PLÁSTICO

Flow Rate (gph)	d. 5/8" - 10 psi					d. 7/8" - 10 psi				
	Spacing (inch)					Spacing (inch)				
	E.U. %	*4"*	*6"*	*8"*	*12"*	*E.U. %*	*4"*	*6"*	*8"*	*12"*
0,16	90%	371	479	581	751	90%	653	843	1017	1319
	85%	459	600	719	932	85%	807	1047	1260	1634
0,21	90%	295	377	459	591	90%	518	659	804	1033
	85%	364	463	564	725	85%	636	814	988	1270
0,26	90%	249	325	390	502	90%	436	571	682	879
	85%	305	400	479	617	85%	538	699	840	1079
0,32	90%	223	289	344	459	90%	390	505	604	804
	85%	276	354	423	564	85%	479	620	741	988
0,40	90%	184	194	223	361	90%	322	338	390	633
	85%	226	240	276	443	85%	397	417	479	778
0,53	90%	115	144	180	236	90%	256	272	308	502
	85%	141	177	223	289	85%	315	351	377	581

E.U.: Emission Uniformity

PACKAGING

			STANDARD PACKAGING LOAD						NOT STANDARD	
ø	Thickness		longitud rollo		Pallet 41x41x47 inch	Container 20"	Container 40"	TIR 14 m	roll lenght	
mm inch	mil	mm	m	ft	rollos/rolls	rollos/rolls	rollos/rolls	rollos/rolls	m	ft
16 5/8"	5	0,13	3655	11991	20	360	880	960	on request	on request
	6	0,15	3050	10007	20	360	880	960	on request	on request
	7	0,18	2700	8858	20	360	880	960	on request	on request
	8	0,20	2300	7546	20	360	880	960	250-100	820-328
	10	0,25	1830	6004	20	360	880	960	on request	on request
22 7/8"	8	0,20	1695	5561	20	320	704	768	on request	on request
	10	0,25	1340	4396	20	320	704	768	on request	on request

CERTIFIED PRODUCT ISO 9261

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